

ВИКИПЕДИЯ

Nuclear projectile

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Shot from the M65 “nuclear cannon”
- testing a nuclear projectile for
cannon artillery

A nuclear projectile is ammunition for delivering a tactical nuclear strike against large targets and concentrations of enemy forces. The most effective and destructive weapon available to artillery . Most nuclear powers have these munitions , including the USA ^[1] and Russia .

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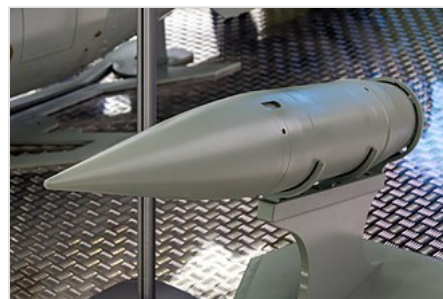
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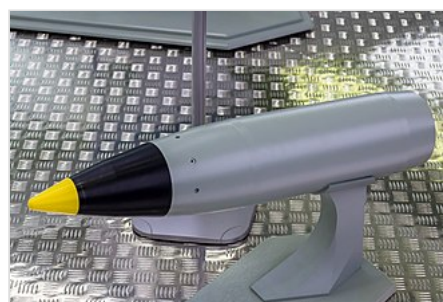
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Russian nuclear missiles

Projectile type	Applicable	Note
406-mm nuclear projectile "Condenser"	For the SM-54 gun (<u>2A3 "Kondensator"</u>)	Experimental, did not go into series
420-mm nuclear mine "Transformer"	Self-propelled 420-mm mortar unit <u>2B1 "Oka"</u>	Experimental, did not go into series
152-mm nuclear projectile 3BV3	Self-propelled guns : <u>2S19 Msta-S</u> , <u>2S3 Akatsiya</u> ; 152 mm gun-howitzer <u>D-20</u> , <u>2S5 Giatsint</u> .	The power of the nuclear charge is 2.5 kt in <u>TNT equivalent</u> , shot range 17.4 km. Developed by <u>RFNC-VNIITF</u> named after. Academician <u>E.I. Zababakhin</u> in the city of <u>Snezhinsk</u> .
180 mm ZBV1 projectile	<u>180 mm S-23 gun</u> ; <u>MK-3-180</u> (coastal artillery, formerly navy)	Shot range up to 45 km.
203-mm projectile 3BV2	Self-propelled gun <u>2S7 "Pion"</u> , 203-mm howitzer <u>B-4M</u> (<u>GRAU index - 52-G-625M</u>)	Shot range is from 18 to 30 km.
240 mm mines 3BV4	<u>240-mm towed mortar M-240 model 1950</u> (<u>GRAU Index - 52-M-864</u>) , 240-mm self-propelled mortar mount <u>2S4 "Tulip"</u>	The standard firing range is 9.5 km, while the active-reactive version is 18 km.



203 mm RD5-1 nuclear warhead for the B-4M gun with a capacity of 2 kilotons of TNT.



152 mm RD4-01 nuclear warhead for the D-20 gun with a capacity of 2.5 kilotons of TNT.

A peculiarity of the Russian approach to nuclear artillery is that special ammunition is unified in standard lines of ammunition and does not require specialized adaptation for their use. At the same time, they had their own secret shooting tables. Without which, the already low shooting accuracy was zero.

US nuclear missiles

- XM454 - 155 mm projectile. The power of the nuclear charge is 0.08 kt in TNT equivalent. Currently withdrawn from service.
- XM785 - 155-mm active-rocket nuclear projectile. The power of the nuclear charge is 1.5 kt in TNT equivalent.
- M422 - 203.2 mm projectile. The power of the nuclear charge is 2 kt in TNT equivalent.
- XM753 - 203.2 mm active-rocket nuclear projectile. The power of the nuclear charge is 1 kt (a neutron projectile with an increased yield of initial radiation) and 2.2 kt in TNT equivalent.

There were also W9 , W19 and W23 etc.

See also

- Nuclear artillery
- Nuclear mine
- Atomic bomb
- Davy Crockett

Notes

1. Top Secret Capacitor (<http://www.popmech.ru/part/?articleid=4495&rubricid=7>) Archived (<https://web.archive.org/web/20081019010031/http://www.popmech.ru/part/?articleid=4495&rubricid=7>) October 19, 2008 on the Wayback Machine Popular Mechanics

Links

- Tests in the USA of a 203 mm projectile for cannon artillery (<http://rutube.ru/tracks/1154258.html?v=a69a8708b7d28064070ed812b63b8d44>) (*inaccessible link*) rutube.ru
- <http://www.krugosvet.ru/articles/125/1012541/1012541a7.htm>
- http://zw-observer.narod.ru/books/artillery/155-mm_howitzer_M198.html
- <http://commi.narod.ru/txt/1983/1213.htm>
- <http://www.phorus.ru/page7-r678.html>
- <http://www.armscontrol.ru/course/lectures03a/vir30325a.htm>

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Nuclear warhead W54 for the Davy Crockett gun with a switchable power of 10-20 tons of TNT equivalent.



Model of a 155 mm W48 nuclear projectile

